

INTERNATIONAL STANDARD

NORME INTERNATIONALE



**Optical fibre cables –
Part 6-30: Indoor-outdoor cables – Family specification for weatherised indoor
cables**

**Câbles à fibres optiques –
Partie 6-30: Câbles intérieurs/extérieurs – Spécification de famille pour
les câbles intérieurs résistants aux intempéries**



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OPTICAL FIBRE CABLES –

**Part 6-30: Indoor-outdoor cables –
Family specification for weatherised indoor cables**

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International Standard IEC 60794-6-30 has been prepared by subcommittee SC86A: Fibres and cables, of IEC technical committee 86: Fibre optics.

The text of this International Standard is based on the following documents:

FDIS	Report on voting
86A/2038/FDIS	86A/2049/RVD

Full information on the voting for the approval of this International Standard can be found in the report on voting indicated in the above table.

This document has been drafted in accordance with the ISO/IEC Directives, Part 2.

A list of all parts in the IEC 60794 series, published under the general title *Optical fibre cables*, can be found on the IEC website.

The committee has decided that the contents of this document will remain unchanged until the stability date indicated on the IEC website under "<http://webstore.iec.ch>" in the data related to the specific document. At this date, the document will be

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OPTICAL FIBRE CABLES –

Part 6-30: Indoor-outdoor cables – Family specification for weatherised indoor cables

1 Scope

This part of IEC 60794 is a family specification covering optical fibre indoor cables that are deployed in short length (≤ 10 m) outdoor environments. These cables generally possess the characteristics associated with indoor cable designs having the appropriate fire performance and flexibility that makes them suitable for use in premises. Because of its predicted use outdoors, stability against environmental attack, for example UV radiation and humidity (see IEC 60794-6:2020, Table 1), is important. Typical application spaces include the extension of a short length of indoor cable outside the building such as to a NAP mounted outside the building at the house wall.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

IEC 60332-1 (all parts), *Tests on electric and optical fibre cables under fire conditions – Part 1: Test for vertical flame propagation for a single insulated wire or cable*

IEC 60332-3 (all parts), *Tests on electric and optical fibre cables under fire conditions – Part 3: Test for vertical flame spread of vertically-mounted bunched wires or cables*

IEC 60793-2-10:2019, *Optical fibres – Part 2-10: Product specifications – Sectional specification for category A1 multimode fibres*

IEC 60793-2-50:2018, *Optical fibres – Part 2-50: Product specifications – Sectional specification for class B single-mode fibres*

IEC 60794-1-1, *Optical fibre cables – Part 1-1: Generic specification – General*

IEC 60794-1-21, *Optical fibre cables – Part 1-21: Generic specification – Basic optical cable test procedures – Mechanical test methods*

IEC 60794-1-22:2017, *Optical fibre cables – Part 1-22: Generic specification – Basic optical cable test procedures – Environmental test methods*

IEC 60794-1-23, *Optical fibre cables – Part 1-23: Generic specification – Basic optical cable test procedures – Cable element test methods*

IEC 60794-1-24, *Optical fibre cables – Part 1-24: Generic specification – Basic optical cable test procedures – Electrical test methods*

IEC 60794-1-31:2018, *Optical fibre cables – Part 1-31: Sectional specification for cable element – optical fibre ribbon*